

ABSTRACT

5 A thick film electrochemical microsensor device for measuring or
regulating chlorine and bromine in water, comprising a substrate to which is
applied an optimum arrangement of at least two electrodes. The device is
especially useful for measuring or regulating chlorine and bromine levels in
swimming pool or spa water. A method of measuring or regulating ions of
at least one of chlorine and bromine in water is also described, which
comprises contacting the water with the microsensor of the present
10 invention; measuring the current output of the microsensor; determining the
level of at least one of chlorine and bromine indicated by the current output;
and generating a signal.